



Section H – Organizational Structure

The organizational structure is shown in the figure H.1. Explanation of each role, as well as a list of the people in each category, is below.

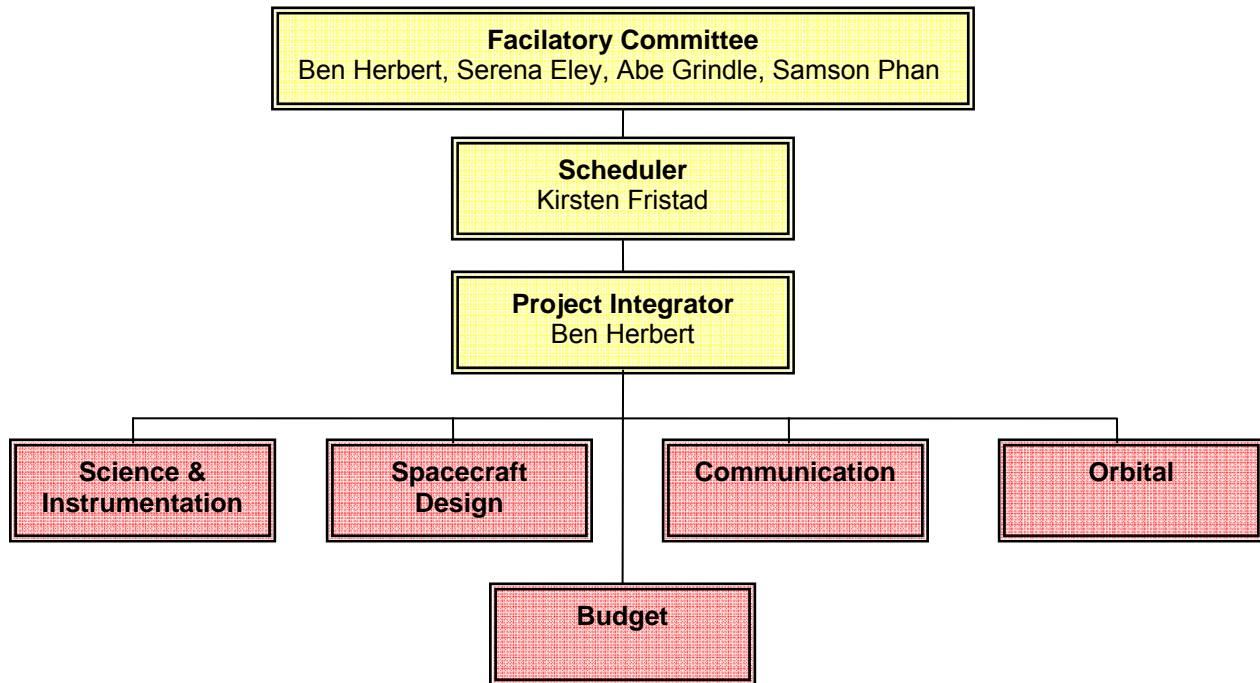


Figure H.1 – Organizational chart for the *Mars Picus* proposal.

H.I – Facillitory Committee

The facillitory committee (or F-team) was a group of four people nominated and elected by their peers. As its name implies, the main role of the F-team was to facilitate, overseeing the working of the group as a whole by organizing and running all-hands meetings. The role of the F-team was substantial in the early stages of the project while the group was deciding the science objectives and mission architecture and has since been mostly phased out.

Members: Ben Herbert, Abe Grindle, Serena Eley, Samson Phan

H.II – Scheduler



The scheduler established and enforced deadlines for the project deliverables. Her job was to ensure that the project met the deadlines set by the Academy administrators.

Member: Kirsten Fristad

H.III – Project Integrator

The role of the project integrator was to compile the sections written by the various subgroups into one document. The project integrator also oversaw the overall project, at times acting as a systems engineer and a main point of contact for each subgroup. He also wrote sections of the paper not assigned to subgroups, such as the mission fact sheet, abstract, and acknowledgements.

Member: Ben Herbert

H.IV – Subgroups

The subgroups completed the major project research. Their responsibilities are listed below.

H.IV.1 – Science and Instrumentation

This subgroup was responsible for determining the best way to achieve the mission goals voted on by the whole group. This included finalizing the instrument payload, determining landing sites, and making measurement plans.

Members: Carie Frantz, Serena Eley, Cassie Stuckey, Kirsten Fristad, Julia Valasquez, and Lynnae Quick

H.IV.2 – Spacecraft Design

This subgroup was responsible for designing the cruise stage spacecraft, entry-decent-deployment strategy, balloon, balloon subsystems, and integrating the payload.

Members: Ben Herbert, Adam Bushmaker, Kris Atkins, Mike Conti, Craig Lewandowski, Courtney Wright, and Samson Phan

H.IV.3 – Communication

This subgroup was responsible for determining a strategy for communicating with the balloons and cruise stage spacecraft. This included determining the antennas and transceivers necessary to accomplish the task.

Members: Amy Brzezinski, Malina Kirn, Abe Grindle



H.IV.4 – Orbital

This subgroup was responsible for the launch and cruise phases of the mission, including determining the launch vehicle, the transfer ellipse, and designing trajectory correction maneuvers

Members: Martin Ozimek, Kelley Hess, Abe Grindle

H.IV.5 – Budget

The cost analysis of the mission was the responsibility of this subgroup. Its members were also members of other groups.

Members: Malina Kirn, Cassie Stuckey